

IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/786,445A

DATE: 07/26/2004 TIME: 15:28:04

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              Lathem, Wyndham W.
              Grys, Thomas E.
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      9 <130> FILE REFERENCE: 096429-9141
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/786,445A
     12 <141> CURRENT FILING DATE: 2004-02-25
     14 <150> PRIOR APPLICATION NUMBER: 10/002,309
     15 <151> PRIOR FILING DATE: 2001-10-26
     17 <150> PRIOR APPLICATION NUMBER: 60/243,675
     18 <151> PRIOR FILING DATE: 2000-10-26
     20 <160> NUMBER OF SEQ ID NOS: 25
     22 <170> SOFTWARE: PatentIn version 3.1
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410

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Input Set : A:\096429-9141.txt

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100 T 101 2 103 c 104 L 105 107 c 108 L 109	ct c Thr : 220 ctg (Leu (ctg (Leu !	tt Leu gag Glu cct Pro	aat Asn gcg Ala	Phe aat Asn cac His 255	cga Arg 240 tgg Trp	Tyr 225 ato Ile ato Ile	gta Val act Thr gtg Val	Asn tat Tyr cct Pro	gct Ala ggt Gly 260 gat	Gln cag Gln 245 tta Leu atc	Trp 230 cat His aac Asn	ttc Phe att Ile ttg Leu att	tgg Trp gtg Val	Ser gagt Ser att Ile 265	gct Ala 250 aaaa Lys	Glu 235 gaa Glu cag Gln	93	∋0 38
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	Asp																
18	540					545					550					555	
183	gaa	atg	gaa	ccg	tat	gaa	cac	acc	att	gac	cgt	gcg	gag	cag	att	acg	1850
184	Glu	Met	Glu	Pro	Tyr	Glu	His	Thr	Ile	Asp	Arg	Ala	Glu	Gln	Ile	Thr	
185	5				560					565					570		
181	gct gct	tca	gtc	aat	gag	cta	agt	gaa	agc	aaa	atg	gct	gag	ctg	atg	gca	1898
188	Ala	Ser	Val	Asn	Glu	Leu	Ser	Glu	Ser	Lys	Met	Ala	Glu	Leu	Met	Ala	
189				575					580					585			
	. gag																1946
	Glu	Tyr		Val	Val	Lys	Val	His	Met	Trp	Asn	Gly	Asn	Trp	Thr	Arg	
193			590					595					600				
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RAW SEQUENCE LISTING

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196 197	Asn	Ile 605	Tyr	Ile	Pro	Thr	Ala 610	Ser	Ala	Asp	Asn	Arg 615	Gly	Ser	Ile	Leu	
199	acc	atc	aac	cat	qaq	gcc	aat	tat	aat	aqt	tat	ctg	ttt	ata	aat	aat	2042
										_		Leu				-	
201					0	625		- 1 -			630					635	
	_	_	_	_	_							agc		_		_	2090
204	Asp	Glu	Lys	Val	Val	Ser	Gln	Gly	${ t Tyr}$	Lys	Lys	Ser	Phe	Val	Ser	Asp	
205					640					645					650		
207	ggt	cag	ttc	tgq	aaa	gaa	cqt	gat	qtq	qtt	qat	act	cqt	gaa	qcq	cqt	2138
												Thr					
209	-			655	-				660		-			665		5	
	224	003	asa		+++	aat	a++	aat		200	200	ctg	ata		tat	tag	2186
																	2100
	гÀг	Pro		GIN	Pne	GIA	vai		vaı	Inr	Thr	Leu		GIY	Tyr	Tyr	
213			670					675					680				
215	gat	ccg	gaa	ggc	acg	ctg	tca	agc	tac	atc	tat	cct	gcg	atg	tat	ggt	2234
216	Asp	Pro	Glu	Gly	Thr	Leu	Ser	Ser	Tyr	Ile	Tyr	Pro	Ala	Met	Tyr	Gly	
217		685					690					695					
219	acc	tat	aac	ttc	act	tat	tcc	gat	gat	agt	caq	aat	cta	tcc	gat.	aac	2282
												Asn					
		- y -	Gry.	LIIC	1111	705	DCI	ASP	АЗР	DCI	710	ASII	пси	DCI	тър	715	
221																	0000
												cag					2330
	Asp	Cys	Gln	Leu	GIn	Val	Asp	Thr	Lys	GIu	GIA	Gln	Leu	Arg	Phe	Arg	
225					720					725					730		
227	ctg	gct	aat	cac	cgg	gct	aac	aac	act	gta	atg	aat	aag	ttc	cat	att	2378
228	Leu	Ala	Asn	His	Arg	Ala	Asn	Asn	Thr	Val	Met	Asn	Lys	Phe	His	Ile	
229				735	_				740				-	745			
	aac	ata	cca	aca	gaa	agt	cag	ccc	aca	cag	acc	aca	tta	att	tac	aat	2426
												Thr					
233	ASII	val	750	1111	GIU	JCI	OIII	755	1111	GIII	лта	1111	760	val	СуБ	ABII	
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		_		_	_							gcg		-			2474
236	Asn	Lys	Ile	Leu	Asp	Thr	Lys	Ser	Leu	Thr	Pro	Ala	Pro	GIu	GLY	Leu	
237		765					770					775					
239	acc	tat	act	gta	aat	ggg	cag	gca	ctt	cca	gca	aaa	gaa	aac	gag	gga	2522
240	Thr	Tyr	Thr	Val	Asn	Gly	Gln	Ala	Leu	Pro	Ala	Lys	Glu	Asn	Glu	Gly	
241	780	-				785					790	-				795	
243	tac	atc	ata	tidd	ata	aat	t.ca	aat.	aaa	cat	tac	tgt	t.t.a	cca	att	aat.	2570
												Cys					
245	Cys	110	Val	DCI	800	Abii	DCI	OI y	цуз	805	- y -	Cys	пси	110	810	Gry	
																	2610
												gtt					2618
248	Gln	Arg	Ser	_	Tyr	Ser	Leu	Pro	_	Trp	Ile	Val	GIY		Glu	Val	
249				815					820					825			
251	tat	gtc	gac	agc	ggg	gct	aaa	gcg	aaa	gtg	ctg	ctt	tct	gac	tgg	gat	2666
252	Tyr	Val	Asp	Ser	Gly	Ala	Lys	Ala	Lys	Val	Leu	Leu	Ser	Asp	Trp	Asp	
253	-		830		-		_	835	-				840	-	-	_	
	aac	cta		tat	aac	add	att		gag	+++	αta	ggt		ata	aac	cca	2714
	ASII		per.	TAT	Hall	Arg		GIA	GIU	rne	val	Gly	ASII	val	ASII	PIO	
257		845					850					855					05.55
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260	Ala	Asp	Met	Lys	Lys	Val	Lys	Ala	\mathtt{Trp}	Asn	Gly	Gln	Tyr	Leu	Asp	Phe	

RAW SEQUENCE LISTING DATE: 07/26/2004 PATENT APPLICATION: US/10/786,445A TIME: 15:28:04

Input Set : A:\096429-9141.txt

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261 860
                             865
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    263 agt aaa cct agg tca atg agg gtt gta tat aaa taa
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    264 Ser Lys Pro Arg Ser Met Arg Val Val Tyr Lys
    268 <210> SEQ ID NO: 2
    269 <211> LENGTH: 886
     270 <212> TYPE: PRT
     271 <213> ORGANISM: Unknown
    273 <220> FEATURE:
    274 <223> OTHER INFORMATION: Description of Unknown Organism: E. coli 0157:H7 plasmid
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    286 Asn Thr Ser Gln Pro Ile Asn Asp Leu Gln Gly Ser Leu Ala Ala Glu
    290 Val Lys Phe Ala Gln Ser Gln Ile Leu Pro Ala His Pro Lys Glu Gly
                                 55
     294 Asp Ser Gln Pro His Leu Thr Ser Leu Arg Lys Ser Leu Leu Leu Val
                             70
    298 Arg Pro Val Lys Ala Asp Asp Lys Thr Pro Val Gln Val Glu Ala Arg
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                        85
     302 Asp Asp Asn Asn Lys Ile Leu Gly Thr Leu Thr Leu Tyr Pro Pro Ser
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    306 Ser Leu Pro Asp Thr Ile Tyr His Leu Asp Gly Val Pro Glu Gly Gly
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                115
     310 Ile Asp Phe Thr Pro His Asn Gly Thr Lys Lys Ile Ile Asn Thr Val
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                                 135
     314 Ala Glu Val Asn Lys Leu Ser Asp Ala Ser Gly Ser Ser Ile His Ser
                             150
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     318 His Leu Thr Asn Asn Ala Leu Val Glu Ile His Thr Ala Asn Gly Arg
                        165
                                             170
    322 Trp Val Arg Asp Ile Tyr Leu Pro Gln Gly Pro Asp Leu Glu Gly Lys
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                                         185
     326 Met Val Arg Phe Val Ser Ser Ala Gly Tyr Ser Ser Thr Val Phe Tyr
                                     200
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     330 Gly Asp Arg Lys Val Thr Leu Ser Val Gly Asn Thr Leu Leu Phe Lys
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     334 Tyr Val Asn Gly Gln Trp Phe Arg Ser Gly Glu Leu Glu Asn Asn Arg
    335 225
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                                                 235
     338 Ile Thr Tyr Ala Gln His Ile Trp Ser Ala Glu Leu Pro Ala His Trp
                         245
                                             250
    342 Ile Val Pro Gly Leu Asn Leu Val Ile Lys Gln Gly Asn Leu Ser Gly
                    260
                                         265
    346 Arg Leu Asn Asp Ile Lys Ile Gly Ala Pro Gly Glu Leu Leu His
                                     280
     350 Thr Ile Asp Ile Gly Met Leu Thr Thr Pro Arg Asp Arg Phe Asp Phe
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VERIFICATION SUMMARY

DATE: 07/26/2004

PATENT APPLICATION: US/10/786,445A

TIME: 15:28:05

Input Set : A:\096429-9141.txt

Output Set: N:\CRF4\07262004\J786445A.raw

L:11 M:270 C: Current Application Number differs, Wrong Format L:38 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:35 L:700 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:18,Line#:697